A B S T R A C T

The present invention is directed to MPEG decoding with embedded resizing that includes detecting and interpolating moving areas in interlaced video in order to eliminate irregularities in the output video. According to the present invention, the decoding includes down scaling a motion vector. Also, detecting a moving area in an interlaced video reference frame and modifying the reduced resolution motion vector. Further, retrieving pixel values from the interlaced video reference frame according to the modified motion vector.